

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052725\
 Data File : BF142555.D
 Acq On : 27 May 2025 11:42
 Operator : RC/JU
 Sample : PB168143BL
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB168143BL

Quant Time: May 27 12:26:16 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 20 16:26:47 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

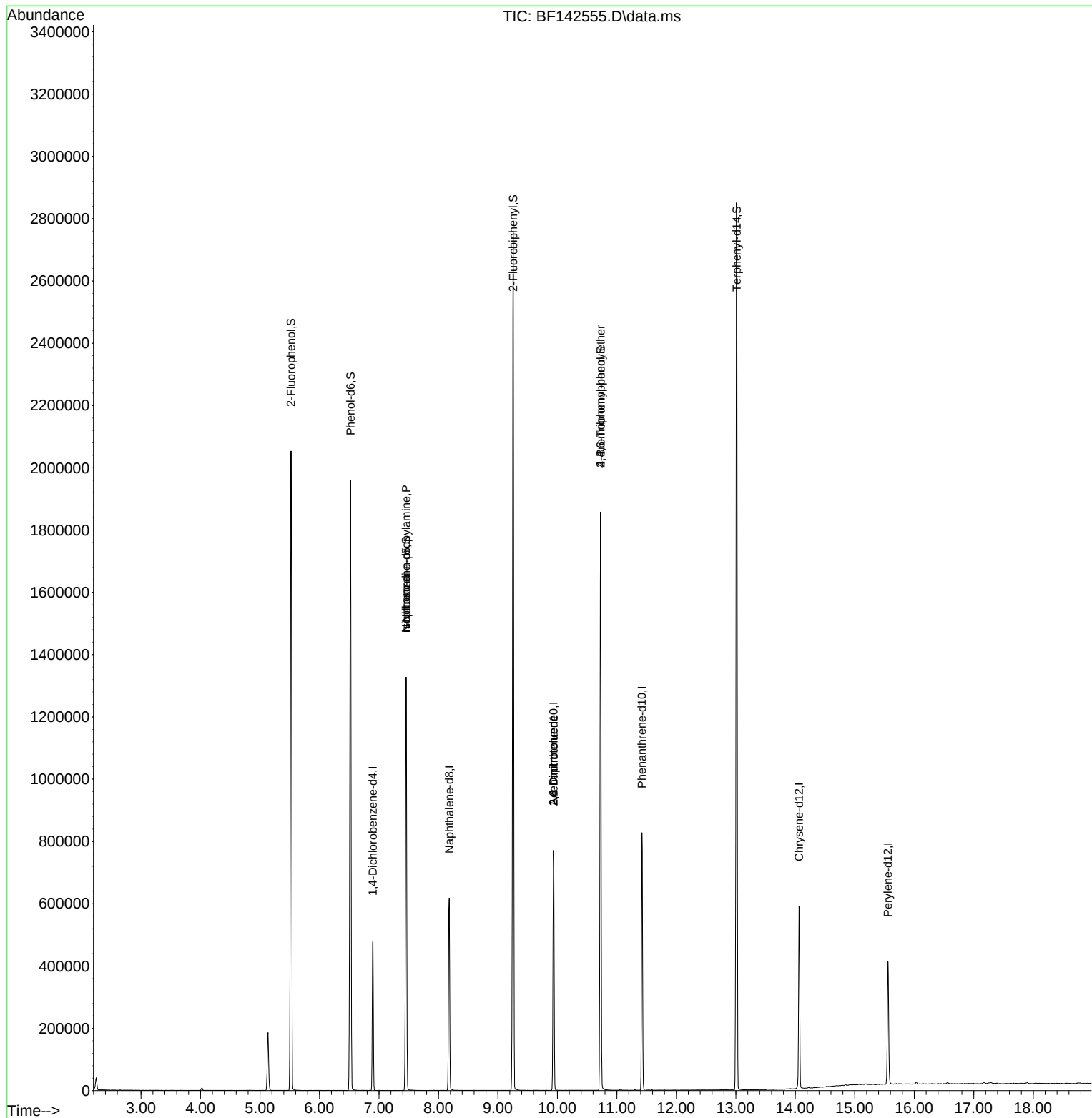
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.899	152	109703	20.000	ng	0.00
21) Naphthalene-d8	8.181	136	422020	20.000	ng	0.00
39) Acenaphthene-d10	9.934	164	239387	20.000	ng	-0.01
64) Phenanthrene-d10	11.422	188	439419	20.000	ng	-0.01
76) Chrysene-d12	14.063	240	295396	20.000	ng	#-0.01
86) Perylene-d12	15.557	264	234182	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.522	112	815573	125.251	ng	0.00
7) Phenol-d6	6.522	99	988856	126.157	ng	-0.01
23) Nitrobenzene-d5	7.457	82	606800	78.404	ng	-0.02
42) 2,4,6-Tribromophenol	10.728	330	353739	133.140	ng	-0.01
45) 2-Fluorobiphenyl	9.257	172	1309789	73.419	ng	-0.01
79) Terphenyl-d14	13.016	244	1502475	69.507	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.457	70	82740	17.032	ng	# 75
25) Isophorone	7.457	82	560056	43.282	ng	# 63
51) 2,6-Dinitrotoluene	9.934	165	30595	8.974	ng	# 27
57) 2,4-Dinitrotoluene	9.934	165	30595	6.872	ng	# 28
67) 4-Bromophenyl-phenylether	10.728	248	21302	4.100	ng	# 1

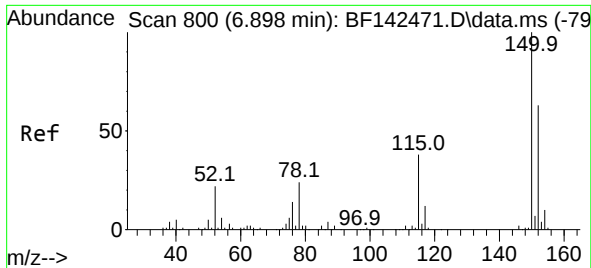
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052725\
Data File : BF142555.D
Acq On : 27 May 2025 11:42
Operator : RC/JU
Sample : PB168143BL
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB168143BL

Quant Time: May 27 12:26:16 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 20 16:26:47 2025
Response via : Initial Calibration

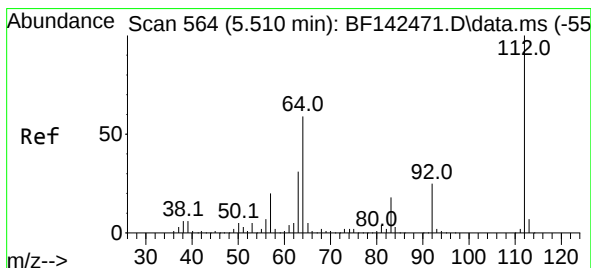
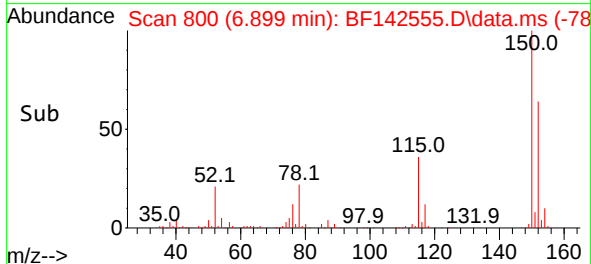
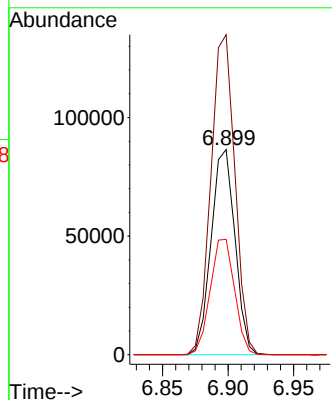
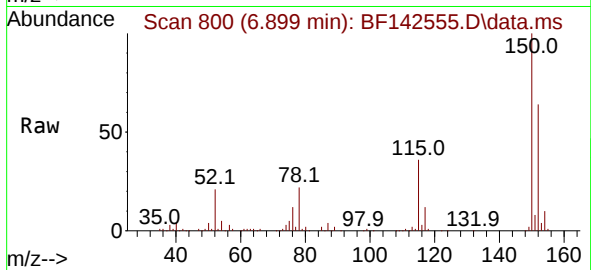




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.899 min Scan# 800
Delta R.T. -0.005 min
Lab File: BF142555.D
Acq: 27 May 2025 11:42

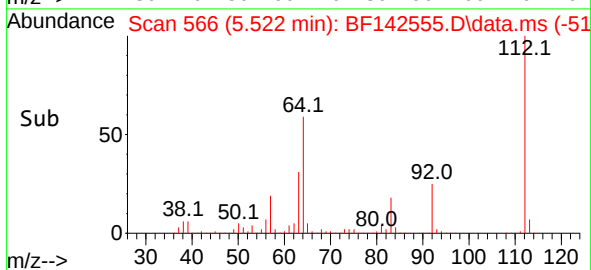
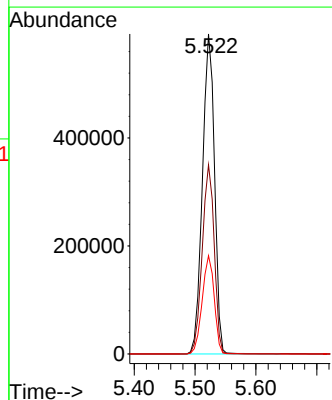
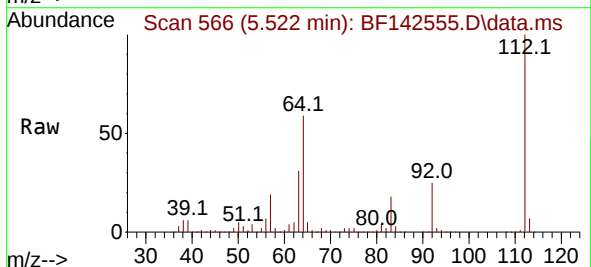
Instrument :
BNA_F
ClientSampleId :
PB168143BL

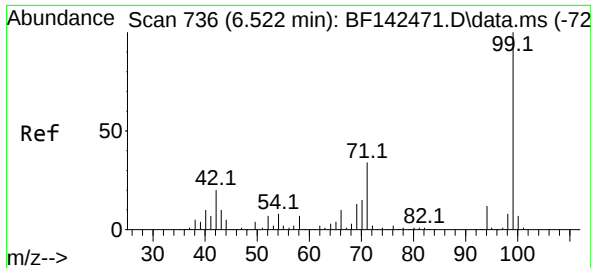
Tgt Ion:152 Resp: 109703
Ion Ratio Lower Upper
152 100
150 156.0 128.2 192.4
115 56.2 48.3 72.5



#5
2-Fluorophenol
Concen: 125.251 ng
RT: 5.522 min Scan# 566
Delta R.T. 0.006 min
Lab File: BF142555.D
Acq: 27 May 2025 11:42

Tgt Ion:112 Resp: 815573
Ion Ratio Lower Upper
112 100
64 59.1 47.5 71.3
63 30.7 24.9 37.3

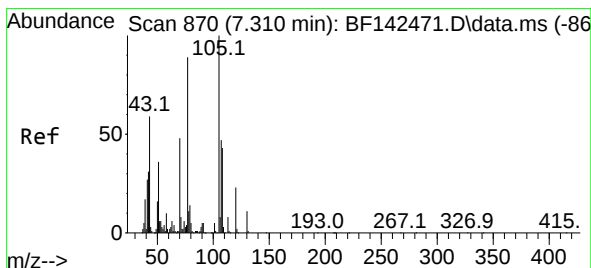
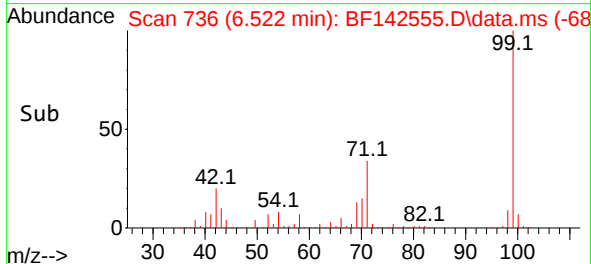
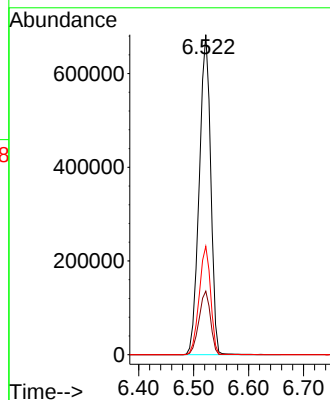
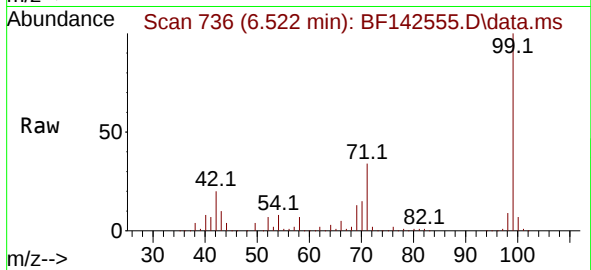




#7
Phenol-d6
Concen: 126.157 ng
RT: 6.522 min Scan# 71
Delta R.T. -0.011 min
Lab File: BF142555.D
Acq: 27 May 2025 11:42

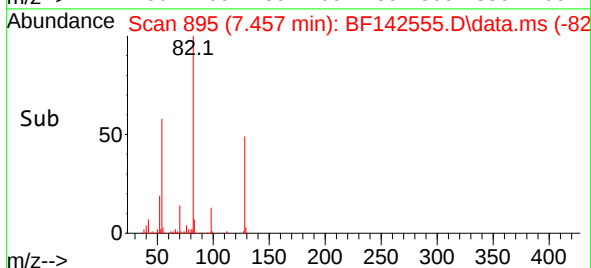
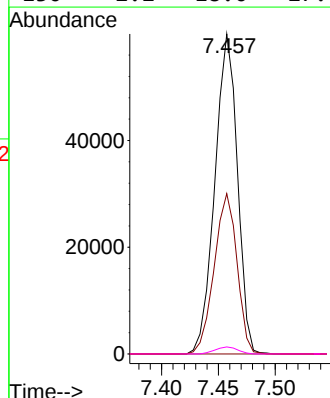
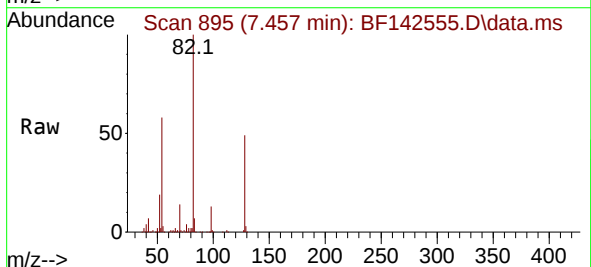
Instrument :
BNA_F
ClientSampleId :
PB168143BL

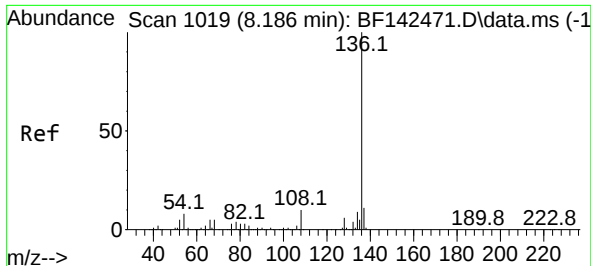
Tgt Ion: 99 Resp: 988856
Ion Ratio Lower Upper
99 100
42 19.8 16.2 24.2
71 33.8 27.3 40.9



#19
n-Nitroso-di-n-propylamine
Concen: 17.032 ng
RT: 7.457 min Scan# 895
Delta R.T. 0.130 min
Lab File: BF142555.D
Acq: 27 May 2025 11:42

Tgt Ion: 70 Resp: 82740
Ion Ratio Lower Upper
70 100
42 50.1 52.4 78.6#
101 0.0 7.8 11.8#
130 2.2 18.0 27.0#

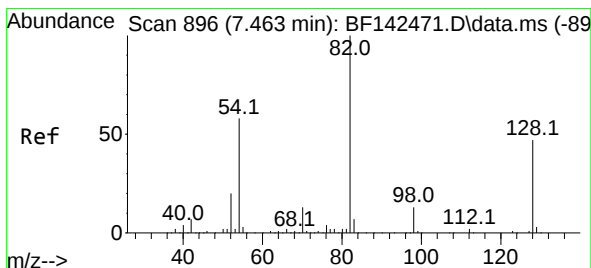
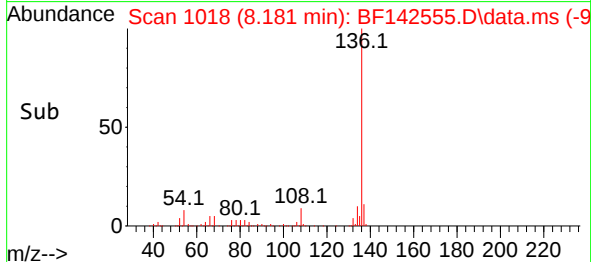
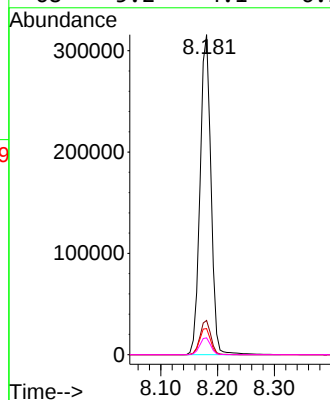
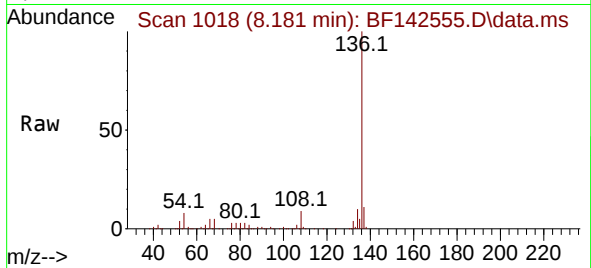




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.181 min Scan# 1019
Delta R.T. -0.006 min
Lab File: BF142555.D
Acq: 27 May 2025 11:42

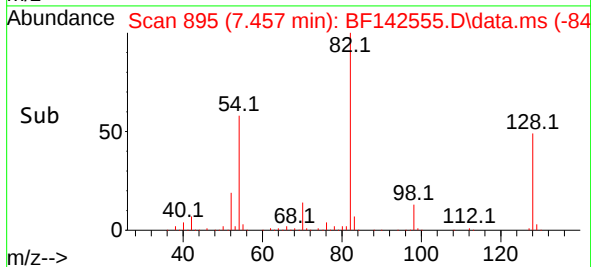
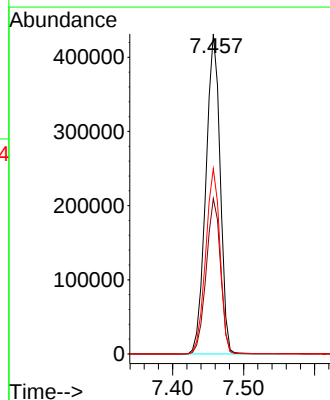
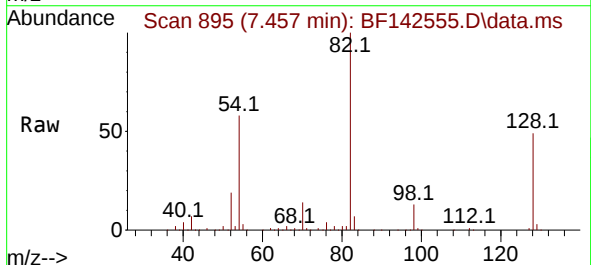
Instrument :
BNA_F
ClientSampleId :
PB168143BL

Tgt Ion:136 Resp: 422020
Ion Ratio Lower Upper
136 100
137 10.7 8.6 13.0
54 8.2 6.6 10.0
68 5.2 4.1 6.1



#23
Nitrobenzene-d5
Concen: 78.404 ng
RT: 7.457 min Scan# 895
Delta R.T. -0.017 min
Lab File: BF142555.D
Acq: 27 May 2025 11:42

Tgt Ion: 82 Resp: 606800
Ion Ratio Lower Upper
82 100
128 48.5 37.4 56.2
54 57.9 46.6 70.0

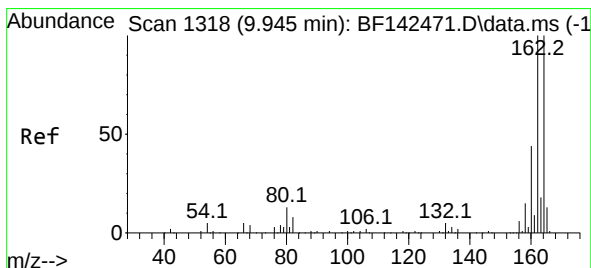
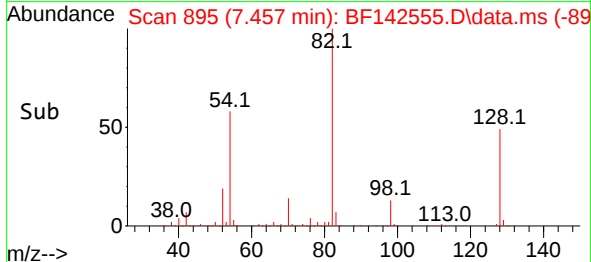
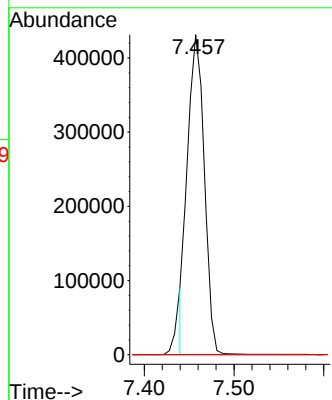
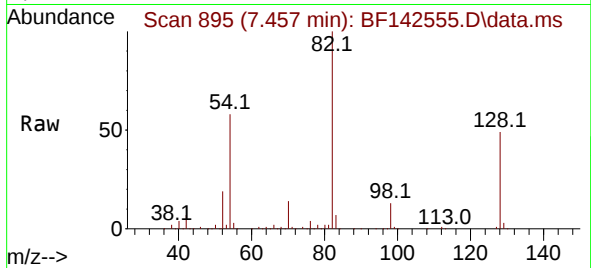




#25
Isophorone
Concen: 43.282 ng
RT: 7.457 min Scan# 89
Delta R.T. -0.276 min
Lab File: BF142555.D
Acq: 27 May 2025 11:42

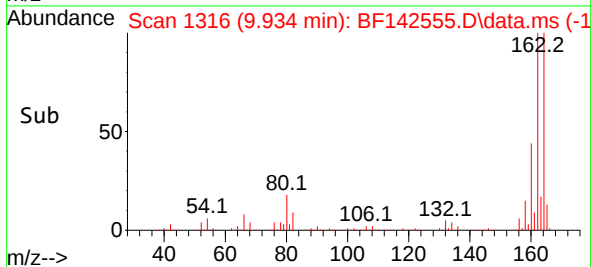
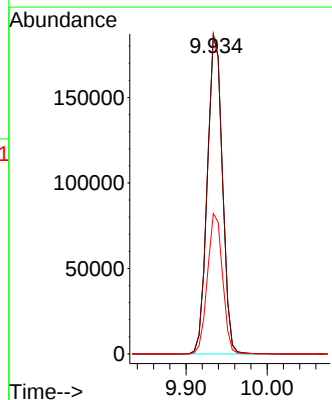
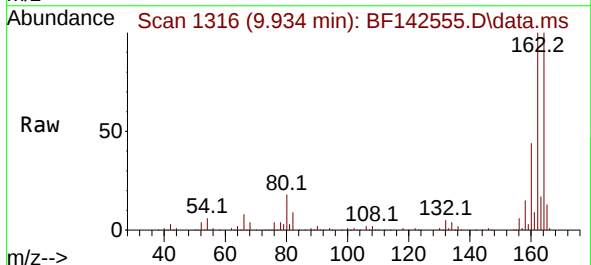
Instrument :
BNA_F
ClientSampleId :
PB168143BL

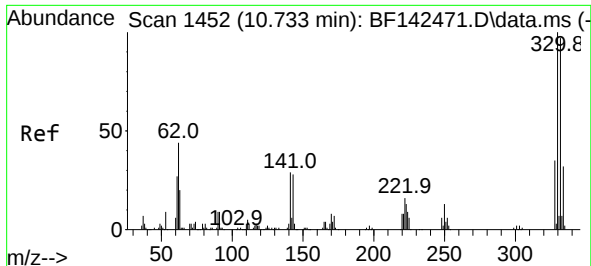
Tgt Ion: 82 Resp: 560056
Ion Ratio Lower Upper
82 100
95 0.0 6.0 9.0#
138 0.0 15.5 23.3#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.934 min Scan# 1316
Delta R.T. -0.011 min
Lab File: BF142555.D
Acq: 27 May 2025 11:42

Tgt Ion:164 Resp: 239387
Ion Ratio Lower Upper
164 100
162 100.4 80.2 120.4
160 44.1 35.6 53.4





#42

2,4,6-Tribromophenol

Concen: 133.140 ng

RT: 10.728 min Scan# 1451

Delta R.T. -0.011 min

Lab File: BF142555.D

Acq: 27 May 2025 11:42

Instrument :

BNA_F

ClientSampleId :

PB168143BL

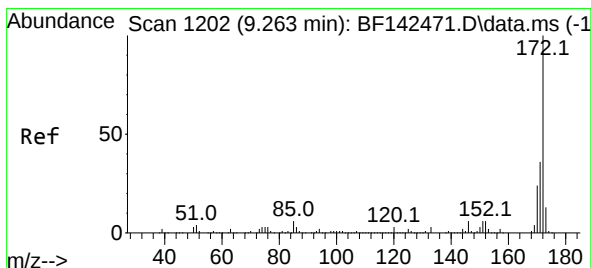
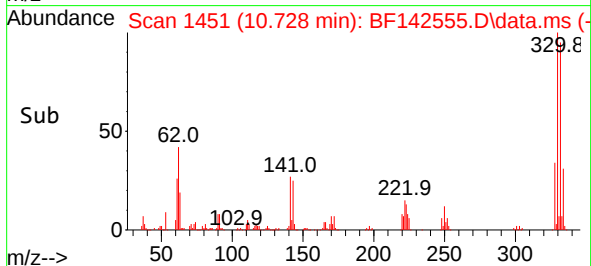
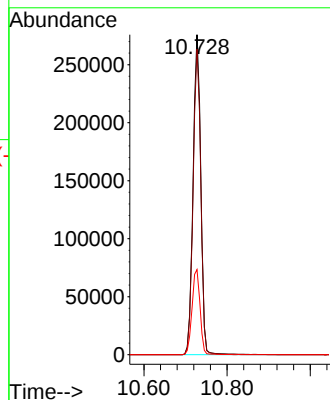
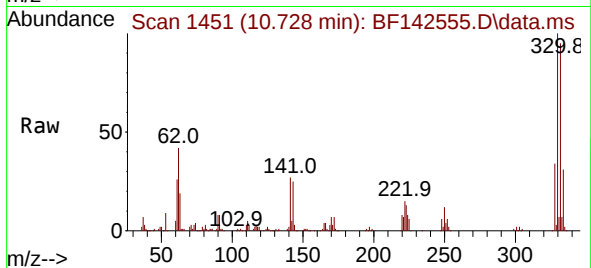
Tgt Ion:330 Resp: 353739

Ion Ratio Lower Upper

330 100

332 95.3 77.6 116.4

141 27.8 24.6 36.8



#45

2-Fluorobiphenyl

Concen: 73.419 ng

RT: 9.257 min Scan# 1201

Delta R.T. -0.011 min

Lab File: BF142555.D

Acq: 27 May 2025 11:42

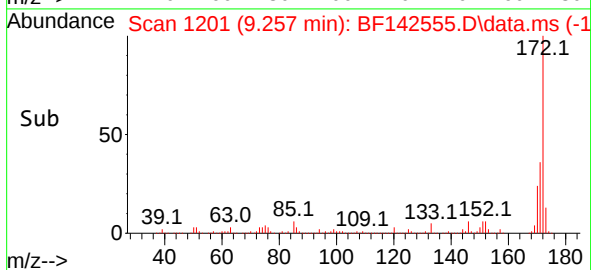
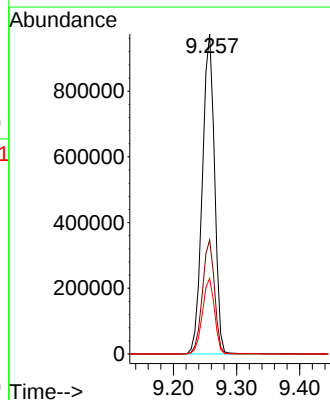
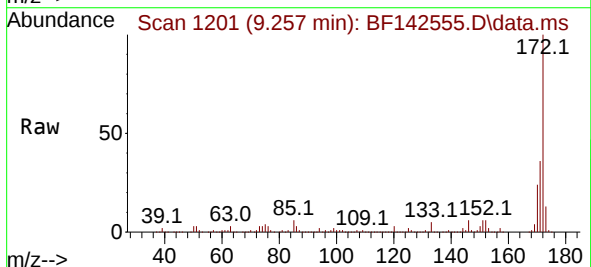
Tgt Ion:172 Resp: 1309789

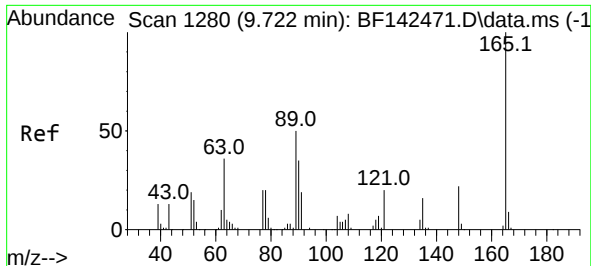
Ion Ratio Lower Upper

172 100

171 35.6 28.6 42.8

170 23.6 18.9 28.3





#51

2,6-Dinitrotoluene

Concen: 8.974 ng

RT: 9.934 min Scan# 11

Delta R.T. 0.206 min

Lab File: BF142555.D

Acq: 27 May 2025 11:42

Instrument :

BNA_F

ClientSampleId :

PB168143BL

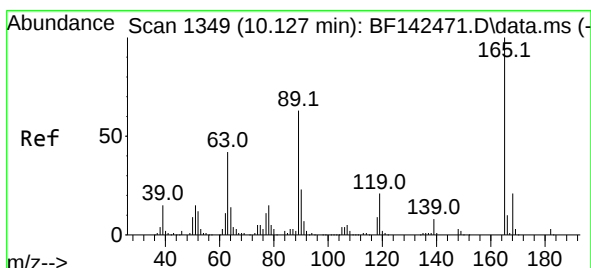
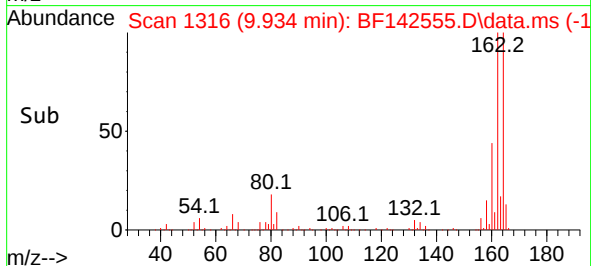
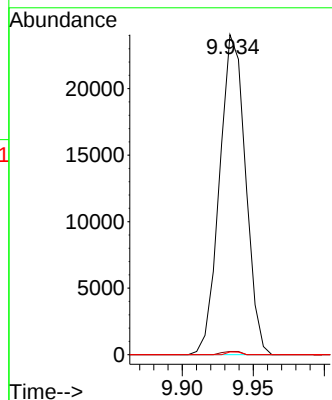
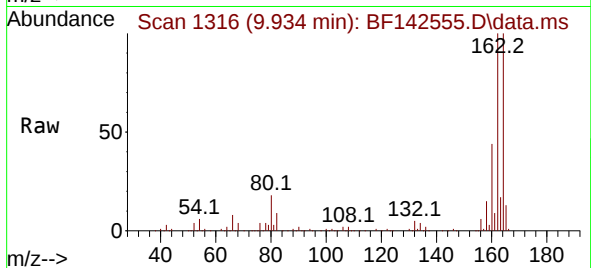
Tgt Ion:165 Resp: 30595

Ion Ratio Lower Upper

165 100

63 1.0 42.9 64.3#

89 0.9 40.2 60.4#



#57

2,4-Dinitrotoluene

Concen: 6.872 ng

RT: 9.934 min Scan# 1316

Delta R.T. -0.200 min

Lab File: BF142555.D

Acq: 27 May 2025 11:42

Tgt Ion:165 Resp: 30595

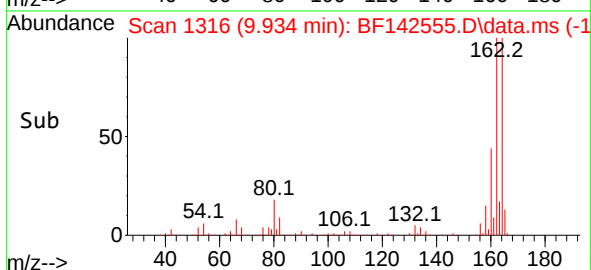
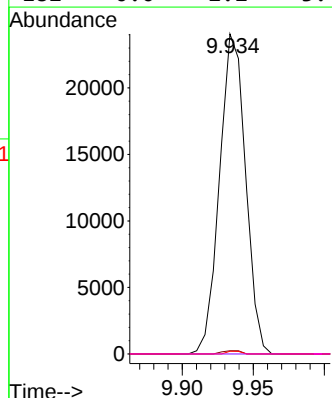
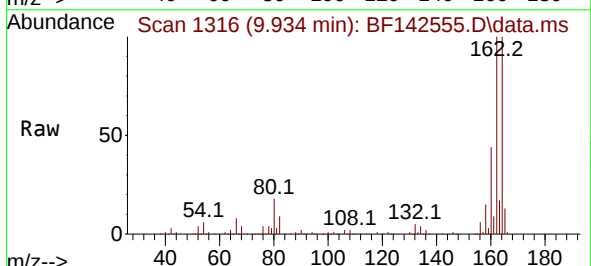
Ion Ratio Lower Upper

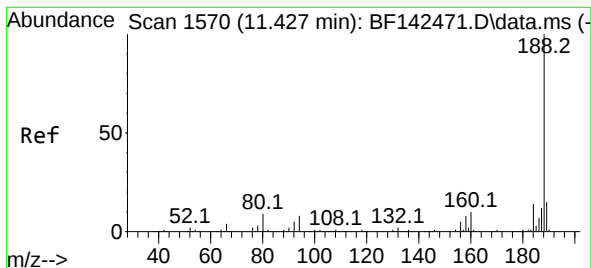
165 100

63 1.0 33.6 50.4#

89 0.9 50.2 75.4#

182 0.0 2.2 3.4#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.422 min Scan# 1

Delta R.T. -0.011 min

Lab File: BF142555.D

Acq: 27 May 2025 11:42

Instrument :

BNA_F

ClientSampleId :

PB168143BL

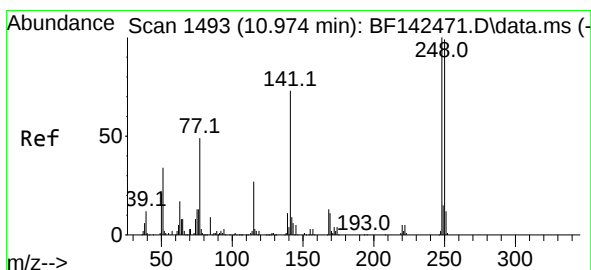
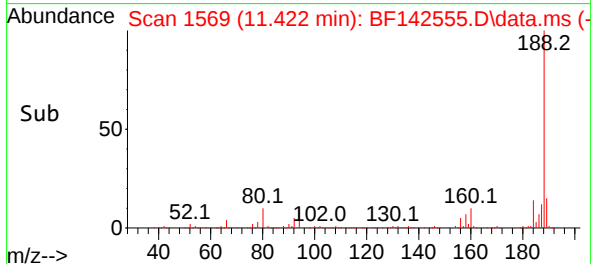
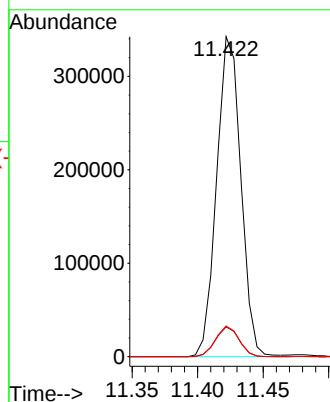
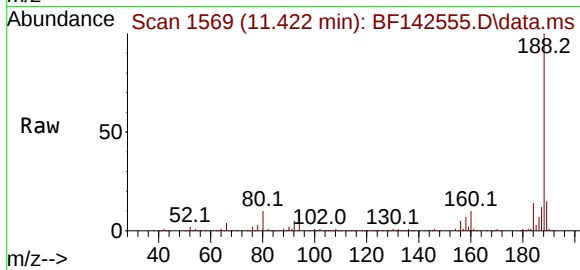
Tgt Ion:188 Resp: 439419

Ion Ratio Lower Upper

188 100

94 9.3 6.6 10.0

80 9.6 7.4 11.0



#67

4-Bromophenyl-phenylether

Concen: 4.100 ng

RT: 10.728 min Scan# 1451

Delta R.T. -0.247 min

Lab File: BF142555.D

Acq: 27 May 2025 11:42

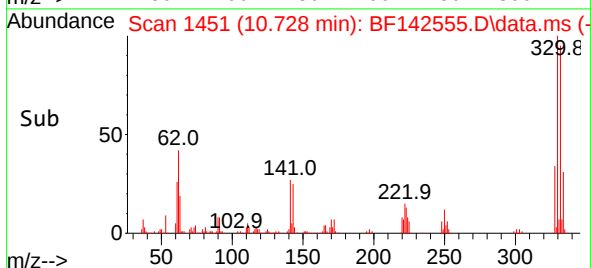
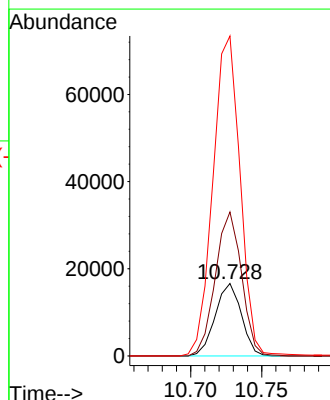
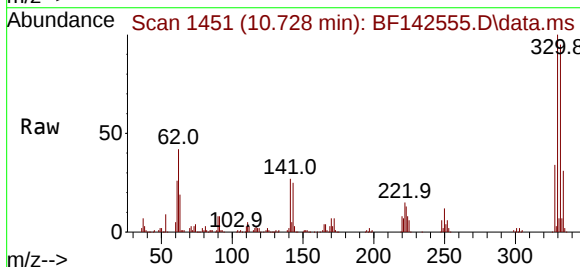
Tgt Ion:248 Resp: 21302

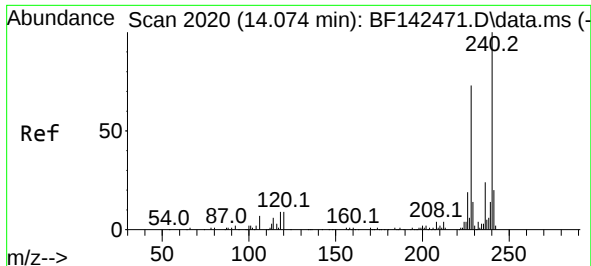
Ion Ratio Lower Upper

248 100

250 198.7 79.0 118.4#

141 441.6 58.4 87.6#

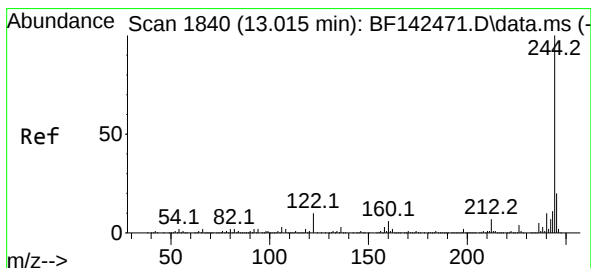
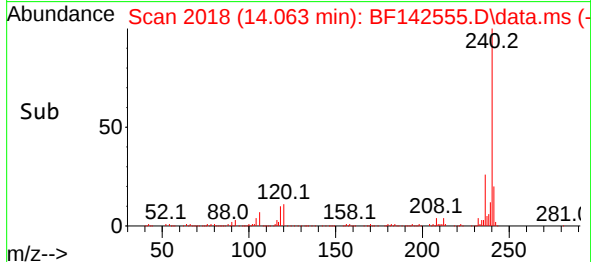
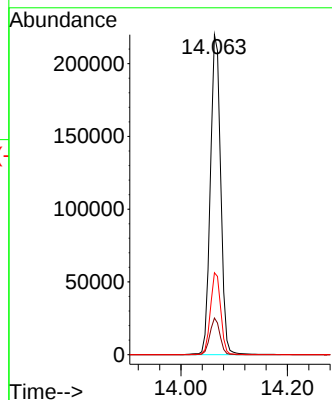
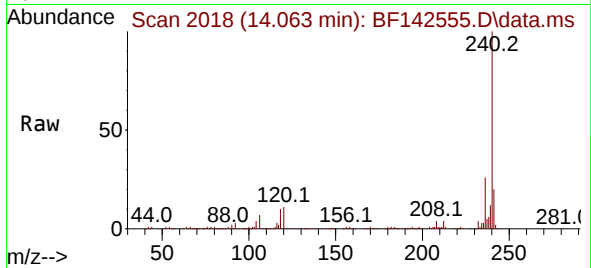




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.063 min Scan# 20
Delta R.T. -0.011 min
Lab File: BF142555.D
Acq: 27 May 2025 11:42

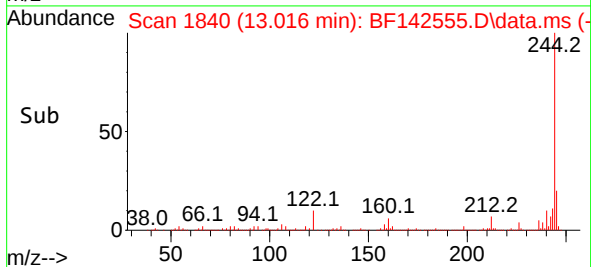
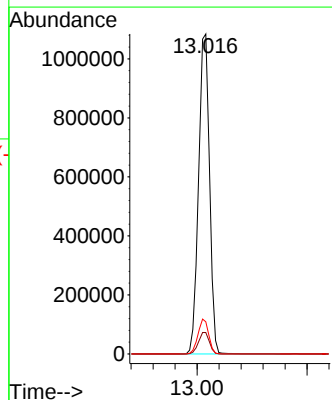
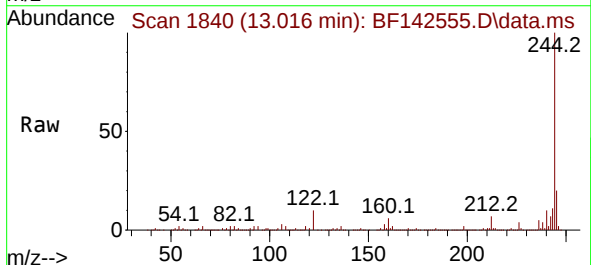
Instrument :
BNA_F
ClientSampleId :
PB168143BL

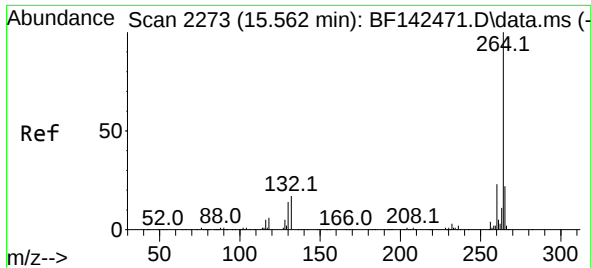
Tgt Ion:240 Resp: 295396
Ion Ratio Lower Upper
240 100
120 11.4 7.5 11.3#
236 25.6 19.6 29.4



#79
Terphenyl-d14
Concen: 69.507 ng
RT: 13.016 min Scan# 1840
Delta R.T. 0.000 min
Lab File: BF142555.D
Acq: 27 May 2025 11:42

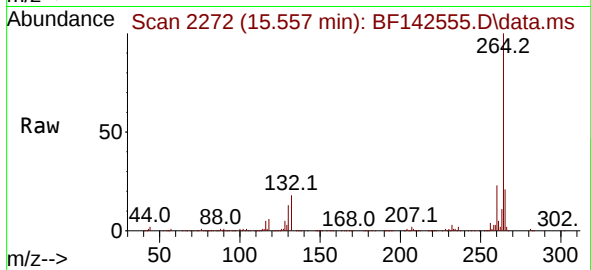
Tgt Ion:244 Resp: 1502475
Ion Ratio Lower Upper
244 100
212 6.7 5.3 7.9
122 10.0 8.2 12.2





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.557 min Scan# 21
 Delta R.T. -0.011 min
 Lab File: BF142555.D
 Acq: 27 May 2025 11:42

Instrument :
 BNA_F
 ClientSampleId :
 PB168143BL



Tgt Ion:264 Resp: 234182
 Ion Ratio Lower Upper
 264 100
 260 23.5 18.6 28.0
 265 20.8 17.7 26.5

